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Piezo Transducer 40LPT16

SensComp's 'L' Series Open Face Piezo Transducers – 40LPT16 Transceiver

Features

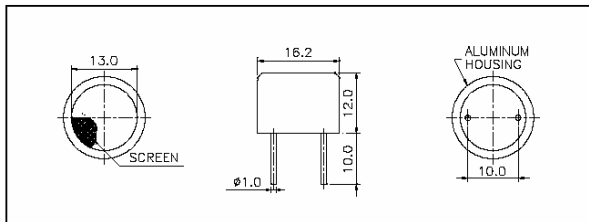
Open Face Construction
 Increased Sensitivity
 Reduced Ringing Characteristics,
 Specifically Intended for Operation in Air at Ultrasonic
 Frequencies

Part No.

PID# 625607 – 40LPT16 Transceiver

Specifications

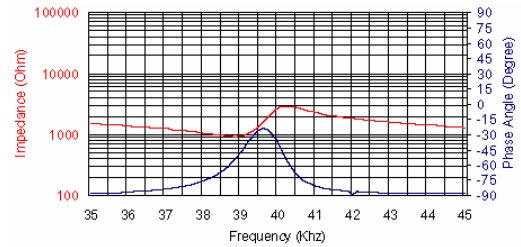
40LPT16 Transceiver
Center Frequency 40.0 ± 1.0 kHz
Bandwidth (-6 dB) 2.0 kHz
Transmitting Sound Pressure Level 117 dB min
 at resonant frequency; 0dB re
 0.0002 µbar per 10 Vrms at 30 cm
Receiving Sensitivity -65 dB min
 at resonant frequency;
 0dB = 1 volt/ µbar
Nominal Impedance (ohm) 1000
Ringing (ms) 1.2 max.
Capacitance at 1 kHz ± 20% 2400 pf
Maximum Driving Voltage (cont.) 20 Vrms
Total Beam Angle (-6 dB) 55° typical
Operating Temperature -30° to 80° C
Storage Temperature -40° to 85° C
 All Specifications taken typical at 25° C
Dimensions: dimensions are in mm



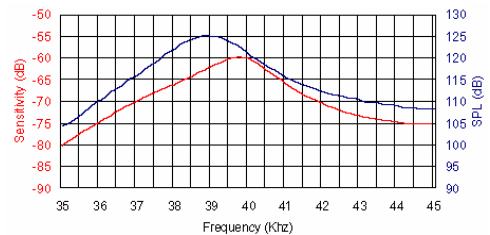
Specifications



Impedance/Phase Angle vs. Frequency
 Tested under 1 Vrms Oscillation Level



Sensitivity/Sound Pressure Level
 Tested under 10 Vrms @ 30 cm



d at 40.0 kHz

